

SBHV – Smooth Brome Semi-natural Herbaceous Vegetation (Map Unit 25)



Photo credit: Jim Von Loh



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The Smooth Brome Semi-natural Herbaceous Vegetation (SBHV, Map Unit 25) represents the *Bromus inermis* – (*Pascopyrum smithii*) Smooth Brome – (Western Wheatgrass) Semi-natural Herbaceous Vegetation Association.

This semi-natural herbaceous vegetation occurs on disturbed sites and in moist drainages throughout the monument. The purest stands occurred on mesic sites along the monument roads and in sites used as grass hay fields until recently. Some of these are found near the eastern monument boundary at Lower Twin Rock Road, at the southern monument boundary near a series of stock ponds, and at the western monument boundary adjacent to the water pipeline corridor. It was certainly introduced to revegetate ground disturbed by construction and in seed potato field restoration. These stands are relatively dense on upper floodplain terraces, but are sparse on the old agricultural fields and portions of the water pipeline.

SBHV – Smooth Brome Semi-natural Herbaceous Vegetation (Map Unit 25) Continued

Photo Signatures

In the natural color aerial photography, SBHV appears as light green to tan, and in color-infrared aerial photography it appears as light red to medium gray-red. In both types of photography it has a smooth texture. It is a relatively short grassland type, and the foliar cover ranges from 20%, up to 70% on the dense sites. The signature resembles Parry Oatgrass Herbaceous Vegetation (Map Unit 27) and Arizona Fescue – Mountain Muhly Herbaceous Vegetation (Map Unit 28). Photo SBHV-1 (natural color) was taken in September 1996. SBHV-2 (color infrared) was taken in August 1983. Both photos are of the same location.

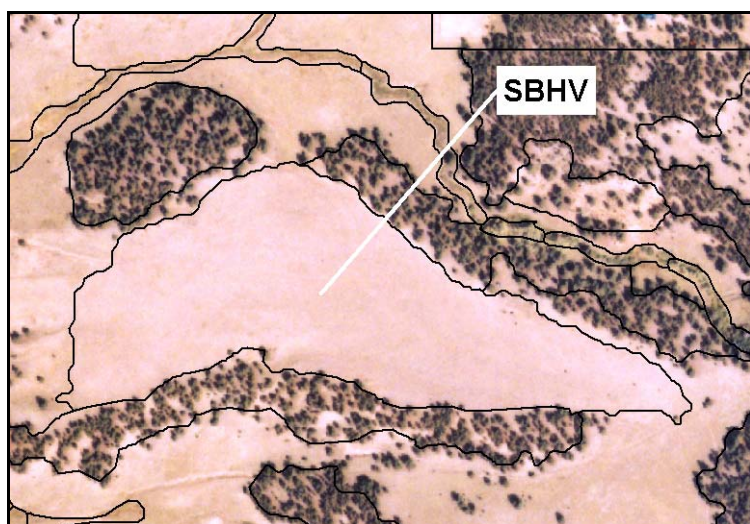
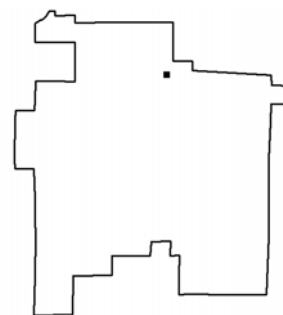


Photo SBHV-1



Location of **SBHV-1** within
National Monument

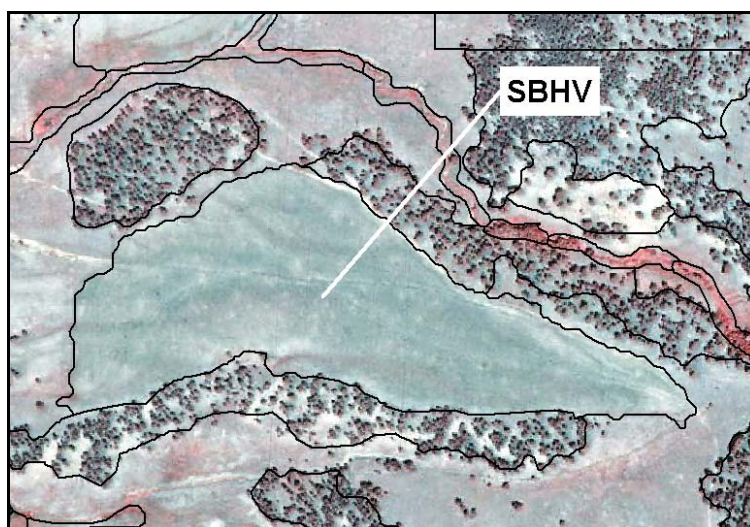
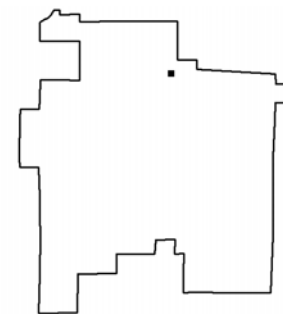


Photo SBHV-2



Location of **SBHV-2** within
National Monument

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Area Report for SBHV Map Unit

Number of Polygons: 36

Number of Hectares: 157.5

Number of Acres: 389.0

Average Size: 4.4 hectares, 10.8 acres

Accuracy Assessment Results for SBHV Map Unit

The Smooth Brome Semi-natural Herbaceous Vegetation Map Unit was assessed at 71% for producers' accuracy (confidence interval 59-83%) and at 97% users' accuracy (confidence interval 91-100%).